

In the Claims

1. (original) A door lock control system, comprising:

a door mounted in a door frame;

a door lock associated with the door to lock and unlock the door;

control means to lock and unlock the door lock; and,

a vibration sensor associated with the control means, the control means causing the door lock to be unlocked when a vibration above a certain level is sensed by the vibration sensor.

2. (original) The door lock control system of claim 1, and further comprising:

the door lock is a magnetic lock.

3. (original) The door lock control system of claim 1, and further comprising:

the vibration sensed by the vibration sensor is an earthquake or a bomb explosion.

4. (original) The door lock control system of claim 1, and further comprising:

the vibration sensor includes a permanent magnetic connected to a pendulum, a magnetic contact positioned near the permanent magnet, and a relay switch.

5. (original) The door lock control system of claim 1, and further comprising:

the control means to lock and unlock the door lock further comprises:

- a low voltage DC power source;
- a backup battery;
- a relay switch; and,
- the vibration sensor.

6. (Currently Amended) The door lock control system of claim 5, and further comprising:

the low voltage DC power source, the backup battery, the relay switch and the vibration sensor are all contained within a control box.

7. (Currently Amended) The door lock control system of claim 6, and further comprising:

the control box is mounted at a location remote from ~~small~~ non-threatening vibrations caused by movement of the door.

8. (original) The door lock control system of claim 6, and further comprising:

the control box is mounted to a rigid wall or column remote from the door.

9. (previously amended) A method of controlling a lock on a door, comprising the steps of:

maintaining a door in a locked state;

monitoring for vibrations near the door;

determining if the monitored vibration is above a certain level; and,

unlocking the door if the vibration~~[[s]]~~ is above the certain level.

10. (original) The method of controlling a lock on a door of claim 9, and further comprising the steps of:

the step of monitoring for vibrations includes monitoring for an earthquake or a bomb explosion.

11. (original) The method of controlling a lock on a door of claim 9, and further comprising the steps of:

the step of determining if the monitored vibration is above a certain level includes the step of determining if the vibration is above 0.1 g.

12. (original) A control box, comprising:

- a box;
- a door hinged to the box;
- a DC power supply mounted in the box;
- a backup battery mounted in the box;
- a terminal and fuse board mounted in the box; and,
- a vibration sensor mounted in the box.

13. (original) The control box of claim 12, and further comprising;

- the DC power supply is a low voltage power supply.

14. (previously cancelled) A vibration sensor, comprising;

- a hollow body;
- a top plate mounted to a top of the body;
- a pendulum attached to the top plate;
- a permanent magnet attached to the pendulum;
- a bottom plate mounted to a bottom of the body;
- a magnetic contact switch mounted to the bottom plate;
- a weight displaceable along the pendulum;
- a marking on the weight; and,
- a scale on the body, the marking and the scale forming a means to determine a

position of the weight along the pendulum.

15. (previously cancelled)The vibration sensor of claim 14, and further comprising: a second box secured to a side of the body; a relay switch secured within the second box; and, a wire to electrically connect the relay switch to the magnetic contact switch.

16. (previously cancelled)The vibration sensor of claim 15, and further comprising: the pendulum includes a threaded outer surface, and the weight includes a hole having threads which engage the threads of the pendulum.

17. (previously cancelled)The vibration sensor of claim 15, and further comprising: a front plate; a cutout portion in the front plate; a transparent plate; and, the transparent plate having a hole therein and positioned near to the magnet on the pendulum such that a tool can be inserted through the hole to displace the magnet.

18. (previously cancelled)The vibration sensor of claim 15, and further comprising: a first eye-bolt connected to the pendulum; a second eye-bolt connected to the first eye-bolt; a hole in the top plate; and, the second eye-bolt

being adjustably secured to the top plate through the hole by a nut secured to the second eye-bolt.

19. (previously cancelled)The vibration sensor of claim 15, and further comprising: the bottom plate including a relay switch; and, a plurality of wires extending out from the bottom plate.

20. (previously cancelled)The vibration sensor of claim 17, and further comprising: the cutout portion is of such size so as to allow for the position of the weight on the pendulum and a space between the magnet and the contact switch to be observed through the cutout portion; and, a hole in the transparent plate located near the magnet of the pendulum.

21. (previously cancelled)The vibration sensor of claim 15, and further comprising: an opening in the second box; and, indication means visible through the hole to indicate a status of the sensor.

22. (previously cancelled)The vibration sensor of claim 21, and further comprising: the indication means includes a red light and a green light, the green light indicating a

ready status of the sensor and the red light indicating a displaced position of the pendulum.

23. (previously cancelled)The vibration sensor of claim 22, and further comprising: a buzzer mounted to the second box.

24. (previously cancelled)The vibration sensor of claim 14, and further comprising: a relay switch integral with the bottom plate; a wire to connect the relay switch with the magnetic contact switch; and, wires extending out from a hole in the bottom plate.

25. (previously presented) The door lock control system of claim 1, further comprising:

a means for delaying the unlocking of a door by a predetermined time, wherein when the vibration sensor detects the vibration above the certain level, the control means unlocks the door and overrides the means for delaying the unlocking of the door.